### PATENT COOPERATION TREATY

From the	ONAL SEARCH	ING AUTH	ORITY						
To: TIMOTHY CONLEY I P.O. BOX	S WESTBY ROSE, P.C 3267		ECENTED SEP 1 4 2005		PCT ITTEN OPINION OF THE				
HOUSTON, TX 77253-3267 SEP I 4 ZUU:				INTERNATIONAL SEARCHING AUTHORITY					
		البارية			(PCT Rule 43bis 1)				
A. A			in the second se	Date of mailing (day/month/year)	US SEP AND				
Applicant's or agent's file reference				FOR FURTHER ACTION					
1789-1350				See paragraph 2 below					
Internation	International application No International filing date			(day/month/year)	Priority date (day/month/year)				
PCT/US04	PCT/US04/38807 19 November 2004 (19. International Patent Classification (IPC) or both national classification			11.2004)	10 November 2003 (10.11.2003)				
1				Holt win ti C					
IPC(7): C3 Applicant	0B 7/14 and US 0	Ol.: 117/11, 0	58; 977/Dig.1						
1	MARSH RICE U	INIVERSIT	Y						
1 This o	pinion contains in	idications re	lating to the following iten	ns:					
	Box No I Basis of the opinion								
	Box No. II Priority								
	Box No III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability								
	Box No IV	Lack of unity of invention							
	Box No V Reasoned statement under Rule 43bis 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
	Box No. VI	Certain documents cited							
	Box No VII Certain defects in the international application								
	Box No. VIII Certain observations on the international application								
2 FUR	THER ACTIO	N			the day by a written eniging of the				
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66 1 bis(b) that written opinions of this International Searching Authority will not be so considered									
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later									
For further options, see Form PCT/ISA/220									
3 For further details, see notes to Form PCT/ISA/220.									
Name and	l mailing address	of the ISA/ I	JS	Authorized offic	er lift /				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents				Gregory Mills Willy					
P.O Box 1450 Alexandria, Virginia 22313-1450			1	Telephone No (571) 272-1201					
Facsimile No. (703) 305-3230 Form PCT/ISA/237 (cover sheet) (January 2004)									
Form PCT/	(IDA/237 (COVERS	steet) (amingi	7 2007)						

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No
PCT/US04/38807

Box No. I Basis of this opinion								
With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item								
	This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12 3 and 23 1(b))							
2. With regard to any nucleofide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:								
a type of material								
	a sequence listing							
	table(s) related to the sequence listing							
b	format of material							
	in written format							
	in computer readable form							
c	time of filing/furnishing							
	contained in international application as filed							
	filed together with the international application in computer readable form							
	furnished subsequently to this Authority for the purposes of search							
3 🔲	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.							
4. Addit	ional comments:							
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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (January 2004)

International application No PCT/US04/38807

Box No. V Reasoned statement under Rule 43 bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
1. Statement								
Novelty (N)	Claims 1-46		YES					
Movelly (M)								
Inventive step (IS)	Claims 1-46		YES					
22	Claims NONE		NO					
Industrial applicability (IA)	Claims <u>1-46</u>							
	Claims NONE		NO					
2 Citations and explanations: Claims 1-46 meet the criteria set out in PCT Article solutions mixed to form semiconductor nanocrystals solutions and then quenching the mixed solution. Claims 1-46 meet the criteria set out in PCT Article be made or used in industry.	are at attiering temper	attites at the point of initing 1	1101 011 3055-010 1-11-15					

#### NOTESTO FORM PCT/ISA/120

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively

### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

### What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amenced (or further amended) under Article 34 before The description and drawings may only be amended the International Preliminary Examining Authority. The description and under Article 34 before the International Preliminary Examining Authority

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable. Article 41

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the When? applicable time limit but before the completion of the technical preparations for international publication (Rule 46 1).

#### Where not to 5le the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2)

Where a demand for international preliminary examination has been/is filed, see below

Either by cancelling one or more entire claims  $\frac{1}{2}$  adding one or more new claims or by amending the text of one or more of the claims as filed How?

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments differs from the sheet originally filed

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is can relied no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.